



>>Entry Name: Morinamide, INN

Synonym(s): *N*-(4-Morpholinomethyl)pyrazinecarboxamide, 9Cl. Morphazinamide



CAS Registry Number: 952-54-5

Molecular Formula: C₁₀H₁₄N₄O₂

Molecular Weight: 222.246

Accurate Mass: 222.111676

Percentage Composition: C 54.04%; H 6.35%; N 25.21%; O 14.40%

Use/Importance: Antibacterial (tuberculostatic) agent

Physical Description: Cryst.

Melting Point: Mp 117-119°

Calculated Log P Data: Log P -0.53 (calc)

Hazard & Toxicity: LD₅₀ (mus, ipr) 2750 mg/kg. Exp. hepatotoxic and nephrotoxic

>>Derivative: Hydrochloride

Synonym(s): Diazolina. Morfomide. Piazofofina. Piazzolin. Nicoprazin. B 2311. Many other names

CAS Registry Number: 1473-73-0

Physical Description: Cryst.

Melting Point: Mp 196°

References:

Solov'ev, V.N. *et al.*, *Farmakol. Toksikol. (Moscow)*, 1967, **30**, 734, (*pharmacol*)

Ger. Pat., 1969, *Farmapol*, 1 129 492; *CA*, **71**, 91301d, (*synth, pharmacol*)

Embran, S.R. *et al.*, *Indian J. Pharm.*, 1973, **35**, 126, (*synth, deriv*)

Marozzi, E. *et al.*, *Farmaco, Ed. Prat.*, 1976, **31**, 180, (*glc*)

Zitkova, L. *et al.*, *Czech. Med.*, 1983, **6**, 140, (*tox*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 183

Negwer, M., *Organic-Chemical Drugs and their Synonyms, 7th edn., Akademie-Verlag*, 1994, 2007, (*synonyms*)